

## ABSTRACT

An apparatus for accelerated weathering testing specimens including discharge lamps as a concentrated light source for accelerating the deterioration of color, composition and/or structure of test specimens. Improved control calibration  
5 structures and methods of operation are also included. The test module to monitor the weathering test process from an improved location, detecting irradiance in the manner in which the specimens are exposed to such irradiance. The test modules are mounted in a pocket formed within the door for the test chamber such that the sensitive electronics of the modules are not  
10 exposed to the harsh environment within the test chamber, resulting in an exceptionally stable signal.